

HOUGHTALING'S

Six Seven per Cent

Interest Tables,

AND

Useful Miscellaneous Information.

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DAYS.												MONTHS.											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$11	\$12	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$11	\$12
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INTEREST TABLE AT 6 PER CENT. (WARRANTED CORRECT.)

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INTEREST TABLE AT 6 PER CENT. (WARRANTED CORRECT.)

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INTEREST TABLE AT 7 PER CENT. (WARRANTED CORRECT.)

DAYS.												MONTHS.											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
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0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	6	7	8	9	10	11	12
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[illegible]

INTEREST TABLE AT 7 PER CENT. (WARRANTED CORRECT.)

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The Longest and Greatest Rivers in the World.

Money Doubles at Compound Interest :

At 3 per cent. in	23 years.	At 7 per cent. in	10 years.
At 4 per cent. in	17 years.	At 8 per cent. in	9 years.
At 5 per cent. in	14 years.	At 9 per cent. in	8 years.
At 6 per cent. in	12 years.	At 10 per cent. in	7 years.

Financial History of the United States,

Showing Expenditures and Debt of the Country during the various Political Administrations from the Founding of the Government to the present time, and names of Presidents and Vice-Presidents, etc.

Year.	PRESIDENT.	VICE PRESIDENT.	PUBLIC EXPENDITURES.	PUBLIC DEBT.
1789	Geo. Washington . .	John Adams . . . *F	.....	.....
1790	Geo. Washington . .	John Adams . . . F	.....	.....
1791	Geo. Washington . .	John Adams . . . F	\$3,797,436 78	\$75,463,476 52
1792	Geo. Washington . .	John Adams . . . F	8,962,920 00	77,227,924 66
1793	Geo. Washington . .	John Adams . . . F	6,479,977 97	80,352,634 04
1794	Geo. Washington . .	John Adams . . . F	9,041,593 17	78,427,404 77
1795	Geo. Washington . .	John Adams . . . F	10,151,240 15	80,747,587 39
1796	Geo. Washington . .	John Adams . . . F	8,367,776 84	83,762,172 07
1797	John Adams	Thomas Jefferson . F	8,625,877 37	82,064,479 33
1798	John Adams	Thomas Jefferson . F	8,583,618 41	79,228,529 12
1799	John Adams	Thomas Jefferson . F	11,002,396 97	78,498,669 77
1800	John Adams	Thomas Jefferson . F	11,952,534 12	82,796,294 35
1801	Thos. Jefferson . . .	Aaron Burr . . . R	12,273,376 94	83,038,050 80
1802	Thos. Jefferson . . .	Aaron Burr . . . R	13 270,487 31	80,712,632 25
1803	Thos. Jefferson . . .	Aaron Burr . . . R	11,258,983 67	77,054,686 30
1804	Thos. Jefferson . . .	Aaron Burr . . . R	12,615,113 72	86,427,120 88
1805	Thos. Jefferson . . .	George Clinton . . R	13,598,309 47	82,312,150 50
1806	Thos. Jefferson . . .	George Clinton . . R	15,021,196 26	75,712,270 66
1807	Thos. Jefferson . . .	George Clinton . . R	11,292,292 99	69,218,398 64
1808	Thos. Jefferson . . .	George Clinton . . R	16,762,702 04	65,196,317 97
1809	James Madison . . .	George Clinton . . R	13,867,226 30	57,023,192 09
1810	James Madison . . .	George Clinton . . R	13,309,994 49	53,173,217 52
1811	James Madison . . .	George Clinton . . R	13,592,604 86	48,095,587 76
1812	James Madison . . .	George Clinton . . R	22,279,121 15	45,209,737 90
1813	James Madison . . .	Elbridge Gerry . . R	39,190,520 36	55,962,827 57
1814	James Madison . . .	Elbridge Gerry†. . R	38,028,230 32	81,487,846 24
1815	James Madison . . .	John Gaillard . . R	39,582,493 35	99,833,660 15
1816	James Madison . . .	John Gaillard . . R	48,244,495 51	127,334,933 74
1817	James Monroe . . .	D. D. Tompkins . R	40,877,646 04	123,491,965 16
1818	James Monroe . . .	D. D. Tompkins . R	35,104,875 40	103,466,633 83
1819	James Monroe . . .	D. D. Tompkins . R	24,004,199 73	95,529,648 28
1820	James Monroe . . .	D. D. Tompkins . R	21,763,024 85	91,015,566 15
1821	James Monroe . . .	D. D. Tompkins . R	19,090,572 69	98,987,427 66
1822	James Monroe . . .	D. D. Tompkins . R	17,676,592 63	93,546,676 98
1823	James Monroe . . .	D. D. Tompkins . R	15,314,171 00	90,875,877 28
1824	James Monroe . . .	D. D. Tompkins . R	31,898,538 47	90,269,777 77
1825	John Q. Adams . . .	John C. Calhoun . R	23,585,804 72	83,788,432 71
1826	John Q. Adams . . .	John C. Calhoun . R	24,103,398 46	81,054,059 99
1827	John Q. Adams . . .	John C. Calhoun . R	22,656,764 04	73,987,357 20
1828	John Q. Adams . . .	John C. Calhoun . R	25,459,479 52	67,475,043 87
1829	A. Jackson	John C. Calhoun . D	25,044,358 40	58,421,413 67
1830	A. Jackson	John C. Calhoun . D	24,585,281 55	48,565,406 50
1831	A. Jackson	John C. Calhoun . D	30,038,446 12	39,123,191 68
1832	A. Jackson	John C. Calhoun . D	34,356,698 06	24,332,235 18
1833	A. Jackson	Martin Van Buren D	24,257,298 49	7,001,698 83
1834	A. Jackson	Martin Van Buren D	24,601,982 44	4,760,082 08
1835	A. Jackson	Martin Van Buren D	17,573,141 56	37,513 05
1836	A. Jackson	Martin Van Buren D	30,868,164 04	336,957 83
1837	M. Van Buren . . .	R. M. Johnson . . D	37,265,037 15	3,308,124 07
1838	M. Van Buren . . .	R. M. Johnson . . D	39,455,438 35	10,434,221 14
1839	M. Van Buren . . .	R. M. Johnson . . D	27,614,936 15	3,573,343 82
1840	M. Van Buren . . .	R. M. Johnson . . D	28,226,533 81	5,250,875 54
1841	W. H. Harrison . .	John Tyler†. . . W	31,797,530 03	13,594,480 73
1842	John Tyler	Wm. P. Mangum . W	32,936,876 53	20,601,226 28
1843	John Tyler	Wm. P. Mangum . W	12,118,105 15	32,742,922 00
1844	John Tyler	Wm. P. Mangum . W	33,642,010 85	23,461,652 50

Financial History of the United States—continued.

Year.	PRESIDENT.	VICE PRESIDENT.	PUBLIC EXPENDITURES.	PUBLIC DEBT.
1845	James K. Polk . .	George M. Dallas D	\$30,496,408 71	\$15,925,303 01
1846	James K. Polk . .	George M. Dallas D	27,632,282 90	15,550,202 97
1847	James K. Polk . .	George M. Dallas D	60,520,851 74	38,826,534 77
1848	James K. Polk . .	George M. Dallas D	60,655,143 19	47,044,862 23
1849	Zach. Taylor . .	Millard Fillmore\$ W	56,386,422 74	63,061,858 69
1850	Millard Fillmore . .	Wm. R. King . . W	44,604,718 26	63,452,773 55
1851	Millard Fillmore . .	D. R. Atchison . W	48,476,104 31	68,304,796 02
1852	Millard Fillmore . .	D. R. Atchison . W	46,712,608 83	66,199,341 71
1853	Frank Pierce . .	Wm. R. King|| . D	54,577,061 74	59,803,117 70
1854	Frank Pierce . .	D. R. Atchison . . D	75,473,170 75	42,242,222 42
1855	Frank Pierce . .	Jesse D. Bright . . D	66,164,775 96	35,586,956 56
1856	Frank Pierce . .	Jesse D. Bright . D	72,726,341 57	31,972,537 90
1857	James Buchanan . .	J. C. BreckenridgeD	71,274,587 37	28,699,831 85
1858	James Buchanan . .	J. C. BreckenridgeD	82,062,186 74	44,911,881 03
1859	James Buchanan . .	J. C. BreckenridgeD	83,678,642 92	58,496,837 88
1860	James Buchanan . .	J. C. BreckenridgeD	77,055,125 65	64,842,287 88
1861	Abraham Lincoln .	Hannibal Hamlin R	85,387,313 08	90,580,873 72
1862	Abraham Lincoln .	Hannibal Hamlin R	565,667,563 74	524,176,412 13
1863	Abraham Lincoln .	Hannibal Hamlin R	899,815,911 25	1,119,772,138 63
1864	Abraham Lincoln .	Hannibal Hamlin R	1,295,541,114 86	1,815,784,370 57
1865	Abraham Lincoln .	Andrew Johnson¶ R	1,906,433,331 37	2,680,647,869 74
1866	Andrew Johnson .	Lafayette S. FosterR	1,139,344,081 95	2,773,236,173 69
1867	Andrew Johnson .	Benj. F. Wade . . R	1,093,079,655 27	2,678,126,103 87
1868	Andrew Johnson .	Benj. F. Wade . . R	1,069,889,970 74	2,611,687,851 19
1869	U. S. Grant	Schuyler Colfax . R	584,777,996 11	2,489,002,480 58
1870	U. S. Grant	Schuyler Colfax . R	702,977,842 88	2,386,358,599 74
1871	U. S. Grant	Schuyler Colfax . R	691,680,858 90	2,292,030,834 90
1872	U. S. Grant	Schuyler Colfax . R	682,525,270 21	2,191,486,343 62
1873	U. S. Grant	Henry Wilson . . R	524,044,597 91	2,147,818,713 57
1874	U. S. Grant	Henry Wilson . . R	724,698,933 99	2,143,083,241 16
1875	U. S. Grant	Henry Wilson** R	682,030,885 32	2,128,688,726 32
1876	U. S. Grant	Thos. W. Ferry . R	714,446,357 39	2,090,439,344 99
1877	R. B. Hayes	Wm. A. Wheeler . R	565,299,898 91	2,060,158,223 26
1878	R. B. Hayes	Wm. A. Wheeler . R	590,641,271 70	2,035,786,831 82
1879	R. B. Hayes	Wm. A. Wheeler . R	966,393,692 69	2,027,207,256 37
1880	R. B. Hayes	Wm. A. Wheeler . R	.....	.....

NOTE.—Though the principles of the various administrations, from 1801 to 1829, are designated as Republican, it may be remarked that the principles of both the Democratic and Republican parties have materially changed since the establishment of these parties, which changes have been wrought by the new political issues that have from time to time sprung up in the history of the government.

* The political complexion of the different Presidential terms is indicated by a single letter opposite each year, defined as follows: *F*, Federalist; *R*, Republican; *D*, Democratic; *W*, Whig.

† Elbridge Gerry died November 13, 1814, and was succeeded by John Gaillard, Vice-President *pro tem*.

‡ Wm. H. Harrison died April 4, 1841, after being one month in office; John Tyler succeeded to the Presidency, and Wm. P. Mangum became Vice-President *pro tem*.

§ Zachary Taylor died July 9, 1850, being succeeded by Millard Fillmore; Wm. R. King succeeding to the Vice-Presidency the first half of the Presidential term, and David R. Atchison the last half.

|| Wm. R. King died April 17, 1853; D. R. Atchison becoming Vice-President *pro tem* for the first half of the Presidential term, and Jesse D. Bright for the last half.

¶ Abraham Lincoln was assassinated by J. Wilkes Booth, April 14, 1865. Andrew Johnson succeeded to the Presidency; and Lafayette S. Foster to the Vice-Presidency the remainder of the first half of the Presidential term, and Benj. F. Wade the last half.

** Henry Wilson died November 22, 1875, and was succeeded by Thomas W. Ferry, Vice-President *pro tem*.

United States Soldiers in the Late Civil War.

No. Men furnished by each State and Territory from April 15, 1861, to June 30, 1865.

States and Territories.	Men furnished.	States and Territories.	Men furnished.
New York	445,959	Rhode Island	23,248
Pennsylvania	338,155	Kansas	20,095
Ohio	310,654	Dist. of Columbia	16,534
Illinois	258,162	California	15,725
Indiana	194,363	Delaware	12,265
Massachusetts	146,467	Arkansas	8,289
Missouri	108,162	New Mexico Territory	6,561
Wisconsin	91,021	Louisiana	5,224
Michigan	88,111	Colorado Territory	4,903
Iowa	75,793	Indian Nations	3,530
New Jersey	75,315	Nebraska Territory	3,157
Kentucky	75,275	North Carolina	3,156
Maine	69,738	Alabama	2,576
Connecticut	55,755	Texas	1,965
Maryland	46,053	Oregon	1,810
New Hampshire	33,913	Nevada	1,080
Vermont	33,272	Washington Territory	964
West Virginia	32,003	Mississippi	545
Tennessee	31,092	Dakota Territory	206
Minnesota	24,002		

Number of Men called for by United States Government during the Late Civil War.

Number of Men called for, periods of service, and number of men obtained under each call.

DATE OF CALL.	Number Called for.	Periods of Service.	Number Obtained.
April 15, 1861	75,000	3 months	93,326
May 3, 1861	82,748	3 years	714,231
July 22 and 25, 1861	500,000		
May and June, 1862		3 months	15,007
July 2, 1862	300,000	3 years	431,958
August 4, 1862	300,000	9 months	87,588
June 15, 1863	100,000	6 months	16,361
October 17, 1863	300,000	3 years	374,807
February 1, 1864	200,000		
March 14, 1864	200,000	3 years	284,021
April 23, 1864	85,000	100 days	81,652
July 18, 1864	500,000	1, 2, 3 years	384,882
December 19, 1864	300,000	1, 2, 3 years	204,568
Totals	2,942,748		2,690,401

Strength of the United States Army at Various Dates.

DATE.	PRESENT.	ABSENT.	TOTAL.
January 1, 1861	14,663	1,704	16,367
July 1, 1861	183,588	3,163	186,751
January 1, 1862	527,204	48,713	575,917
January 1, 1863	698,802	219,389	918,191
January 1, 1864	611,250	249,487	860,737
January 1, 1865	620,924	338,536	959,460
May 1, 1865	797,807	202,709	1,000,516
May 1, 1875			25,000

Number of Colored Troops, Number of Men obtained by Draft, etc.

In addition to the foregoing number, 63,322 men were obtained, chiefly from the territories and seceding States, for various periods of service.

The whole number of Colored troops obtained was 186,097.

The whole number obtained by Draft was 168,649.

Important Events and Battles of the late Civil War.

JANUARY, 1861.

9th.—The "Star of the West," sent to reinforce Gen. Anderson and his command at Fort Sumter, S. C., was fired upon from Morris Island, and obliged to return to New York.

MARCH, 1861.

The Confederate congress adopted for the flag of the Confederacy the "stars and bars."

12th.—The President declined to receive the commissioners from the Confederate States.

APRIL, 1861.

12th.—An attack was made on Fort Sumter in Charleston harbor.

19th.—The president declared the Southern ports blockaded.

19th.—The Sixth Regiment, of Massachusetts, were mobbed in Baltimore on their passage toward Washington.

JUNE, 1861.

10th.—The battle of Big Bethel, Va.
17th.—The battle of Booneville, Mo.

JULY, 1861.

6th.—The battle of Carthage, Mo.
11th.—The battle of Rich Mountain, West Virginia, was fought.
18th.—The battle of Centreville, Va.
21st.—The battle of Bull Run, Va.
21st.—The first battle at Manassas Junction, Virginia, was fought.

AUGUST, 1861.

5th.—The battle of Athens, Missouri.
10th.—The battle of Wilson's Creek, Missouri, was fought.

SEPTEMBER, 1861.

10th.—The battle of Carnifex Ferry, West Virginia, took place.

OCTOBER, 1861.

8th.—Fort Pickens, Santa Rosa Island, Florida, was attacked by Confederates.
21st.—The battle of Ball's Bluff, Va.

NOVEMBER, 1861.

1st.—Gen. Geo. B. McClellan was made commander-in-chief.
7th.—The battle of Belmont, Miss.
7th.—An expedition captured Fort Walker on Hilton Head, S. C. and Fort Beauregard on the Broad River.
19th.—The English mail-packet Trent was boarded by Captain Wilkes, of the San Jacinto, and the Confederate commissioners, Mason and Slidell, captured.

JANUARY, 1862.

1st.—Messrs. Mason and Slidell were surrendered on a demand of the British government.

10th.—The battle of Middle Creek, Ky.
19th.—The battle of Mill Spring, Ky.

FEBRUARY, 1862.

6th.—Fort Henry, Tenn., surrendered to the Union forces.

8th.—The battle of Roanoke Island.

14th.—The battle of Newbern N. C.

MARCH, 1862.

7th and 8th.—Battle of Pea Ridge, Ar.
8th.—The Confederate ram, the Merrimac, appeared at Hampton Roads. She sank the Cumberland, captured the Congress, and forced the Minnesota aground, and then returned to Norfolk.

9th.—The Merrimac reappeared. The Monitor, Lieutenant Worden, had arrived, engaging the ram, forced her back to Norfolk.

10th.—Manassas Junction, Virginia, was evacuated by the Confederates.

23d.—The battle at Winchester, Va.

APRIL, 1862.

6th. and 7th.—The battle of Pittsburg Landing, Tennessee, was fought.

7th.—Island No. 10, in the Mississippi, surrendered.

9th.—The battle of Shiloh, was fought.

11th.—Fort Pulaski, near Savannah, surrendered.

12th.—Gold was first quoted at a premium.

MAY, 1862.

1st.—The army captured New Orleans.
3d.—The battle of Chancellorsville.
5th.—The battle of Williamsburg, Va.
25th.—The battle of Winchester, Va.
27th.—The battle of Hanover Court House, Virginia, was fought.
27th.—The assault on Port Hudson.
31st.—The battle of Seven Pines, Va.

JUNE, 1862.

6th.—Memphis surrendered to the Union forces.

8th.—The battle of Cross Keys, Va.

25th.—The seven days' battle around Richmond began.

26th.—Battle of Mechanicsville, Va.

27th.—The battle of Cold Harbor, Va.

28th.—Commodore Farragut, who had run the blockade at Vicksburg, began to bombard the city.

John Morgan, with a Confederate force, raided through Ohio.

29th.—The battle of Savage's Station, Virginia, was fought.

30th.—The battle of Frazier's Farm.

JULY, 1862.

1st.—The battle of Malvern Hill, Va.

AUGUST, 1862.

5th.—The battle of Baton Rouge, La.

5th.—Battle of Cedar Mountain, Va.

23d.—A general battle with General Pope's forces took place.

29th.—The battle of Groveton, Va.

30th.—A battle at Manassas, Virginia.

30th.—The battle of Richmond, Ky.

Important Battles, etc., of late Civil War—continued.

SEPTEMBER, 1862.

- 1st.—The battle of Ox Hill, Va.
- 1st.—The battle of Chantilly, Va.
- 14th.—Battle of South Mountain, Md.
- 15th.—Harper's Ferry was captured by the Confederates.
- 17th.—The battle of Antietam, Md.
- 17th.—The garrison at Munfordsville, Ky., surrendered to the Confederates.
- 19th.—The Confederate forces were defeated at Iuka, Mississippi.
- 22d.—President Lincoln issued a proclamation abolishing slavery in the Southern States, unless they returned to the Union before January 1, 1863.

OCTOBER, 1862.

- 3d.—Battle of Corinth, Mississippi.
- 8th.—The battle of Perryville, Ky.
- 10th.—A raid on Chambersburg, Penn. was made by a Confederate force under General Stuart.
- 18th.—General Morgan made a raid in Kentucky.

DECEMBER, 1862.

- 7th.—The Confederates were defeated at Prairie Grove, Arkansas.
- 11th.—Fredericksburg, Va., was bombarded by the Federal army.
- 27th.—General Sherman, was repulsed at Chickasaw Bayou, Mississippi.
- 29th.—Battle of Stone River, Tenn.
- 30th.—The siege of Vicksburg was abandoned by General Sherman.
- 31st.—Second battle of Stone River, Tennessee, was fought.

JANUARY, 1863.

- 1st.—The emancipation proclamation was issued.
- 8th.—The battle of Springfield, Mo.

MARCH, 1863.

- 21st.—Battle of Cottage Grove, Tenn.
- 30th.—A battle near Somerville, Ky.

MAY, 1863.

- 2d.—The battle of Port Gibson, Miss.
- 2d.—Battle of Chancellorsville, Va.
- 12th.—The battle of Raymond, Miss.
- 16th.—Battle of Champion's Hill, Miss.
- 17th.—Battle of Big Black River, Miss.
- 18th.—Vicksburg was invested.
- 19th.—The first assault on Vicksburg was repulsed.
- 27th.—An unsuccessful attack was made on Port Hudson, Louisiana.

JUNE, 1863.

- 15th.—The Federals were defeated at Winchester, Virginia.
- 24th.—Morgan started upon another raid through Kentucky and Ohio.
- 24th. and 25th.—Chambersburg, Pennsylvania, was occupied by the Confederates.
- 30th.—Battle of Hanover Junction, Va.

JULY, 1863.

- 2st.—The battle of Gettysburg, Penn.
- 4th.—Vicksburg surrendered.
- 9th.—Port Hudson surrendered.
- 10th.—An assault on Fort Wagner was repulsed.
- 13th.—The draft riots in New York.

AUGUST, 1863.

- 20th.—Lawrence, Kansas, was burned.

SEPTEMBER, 1863.

- 19th.—Battle of Chickamauga Creek, Tennessee, was fought.

NOVEMBER, 1863.

- 15th.—Battle of Campbell's Station.
- 24th and 25th.—Battles of Lookout Mountain and Missionary Ridge were fought at Chattanooga, Tennessee.
- 28th and 29th.—Confederates made two ineffectual assault upon Knoxville, Tennessee.

FEBRUARY, 1864.

- 20th.—Battle of Olustee, Florida.

APRIL, 1864.

- Battle of Sabine Cross Roads, La.

MAY, 1864.

- 4th.—The army of the Potomac crossed the Rapidan, and encamped in the "Wilderness."
- 5th and 6th.—Battles of the Wilderness, Virginia.
- 6th.—General Sherman began his Atlanta campaign.
- 9th.—Battle of Spottsylvania, Va.
- 14th.—Battle of Resaca, Georgia.
- 25th.—Battle of New Hope Church Station, Georgia.
- 26th.—The Confederates were repulsed in an attack on City Point, Va.

JUNE, 1864.

- 1st.—Battle of Cold Harbor, Va.
- 3d.—A battle was fought near Cold Harbor, Va.
- 16th.—Federals were defeated in an attack upon Petersburg, Va.
- 19th.—The investment of Petersburg, Virginia, was begun.
- 19th.—The Alabama was sunk off Cherbourg, France, by the Kearsarge.
- 21st and 22d.—The Federals were repulsed in attacks upon the Weldon railroad, Virginia.
- 27th.—Battle of Kenesaw Mountain.
- 28th.—The Confederates moved on Washington by way of the Shenandoah Valley, Virginia.

JULY, 1864.

- 9th.—Battle of Monocacy River, Md.
- 20th.—Battle of Peach Tree Creek, Ga.
- 22d.—Battle of Decatur, Georgia.
- 30th.—Another unsuccessful assault was made by the Federals upon Petersburg, Virginia.

Important Battles, etc., of late Civil War—continued.

AUGUST, 1864.

- 6th.—Fort Gaines, in Mobile Bay, surrendered to Admiral Farragut.
21st.—The Weldon railroad captured.
31st.—The battle of Jonesborough.

SEPTEMBER, 1864.

- 21.—The Federals entered Atlanta.
19th.—The battle of Winchester, Va.
22d.—The battle of Fisher's Creek, Va.
30th.—Battle at Peebles Farm, Va.

OCTOBER, 1864.

- 2d.—Battle of Holston River, Va.
6th.—Battle of Allatoona Pass, Ga.
19th.—Battle of Cedar Creek, Va.
27th.—The Federals were repulsed at Hatcher's Run, Virginia.

NOVEMBER, 1864.

- 16th.—General Sherman began his march to the sea.

DECEMBER, 1864.

- 13th.—Fort McAllister was captured by the Federals.
15th.—The battle of Nashville, Tenn.
25th.—The Federals were repulsed in an attack upon Fort Fisher N. C.

JANUARY, 1865.

- 15th.—Fort Fisher, N. C., was captured by the Federals.

FEBRUARY, 1865.

- 5th.—The Federals were repulsed at Hatcher's Run, Virginia.

MARCH, 1865.

- 16th.—Battle of Averysborough, N. C.
18th.—Battle of Bentonville, N. C.
25th.—Fort Steadman, near Petersburg, was captured by the Confederates, and recaptured by the Federals.
31st.—The battle of Five Forks, Va.

APRIL, 1865.

- 2d.—Richmond was evacuated by the Confederates.

6th.—Battle of Farmville, Virginia.

- 9th.—Gen. Lee with his army surrendered to General Grant at Appomattox Court House, Virginia.

13th.—Mobile surrendered to a combined army and naval attack.

14th.—The Flag Gen. Anderson had lowered at Fort Sumter was restored to its position.

14th.—President Lincoln was assassinated at Washington. He was shot in the back of the head at Ford's Theatre by Wilkes Booth, and died next morning. The same evening an unsuccessful attempt was made to assassinate the secretary of state, William H. Seward.

15th.—Andrew Johnson, Vice-President, took the oath of office as President.

26th.—Gen. Johnston surrendered to Gen. Sherman in North Carolina.

MAY, 1865.

5th.—Galveston, Texas, surrendered to the Federals.

10th.—Jeff. Davis captured in Georgia.

13th.—A skirmish took place near Brazos, in eastern Texas.

26th.—The Confederates in Texas, under Gen. Kirby Smith, surrendered.

The armies of the East and West were disbanded and returned home, after a review at Washington.

JUNE, 1865.

6th.—An order was issued for the release of all prisoners of war in the depots of the North.

JULY, 1865.

4th.—The corner-stone of a monument was laid at Gettysburg, Penn., in memory of the soldiers who fell there.

Size of Paper in inches, Paper Counts, etc.

FLAT WRITING PAPERS.

Flat Letter	10x16
Flat Cap	14x17
Double Flat Letter	16x20
Flat Foolscap	13x16
Crown	15x19
Folio Post	17x22
Demy	16x21
Medium	18x23
Check Folio	17x24
Bank Folio	19x24
Double Cap	17x28
Royal	19x24
Super Royal	20x28
Imperial	23x31

Of the different sizes there are also several different weights of each size, as Demy 20, 22, 24, 26 and 28 lbs. per ream.

LEDGER PAPERS.

Flat Cap	14x17
Crown	15x19
Folio	17x22
Demy	16x21
Medium	18x23
Royal	19x24
Super Royal	20x28
Imperial	23x31
Elephant	23x28

BOOK AND NEWS PAPERS.

Book Paper	24x38
News Paper, 22x32, 24x36, 26x38, 28x42	

PAPER COUNTS.

24 sheets	1 quire
10½ quires	1 token.
20 quires	1 ream.

Area, Population and Growth of the United States.

STATES AND TERRITORIES.	Area in Square Miles	POPULATION.			Miles R. Road.	
		1860	1870.	1875.	1862.	1872.
<i>States.</i>						
Alabama	50,722	964,201	996,992	. . . . .	805	1,671
Arkansas	52,198	435,450	484,471	. . . . .	38	25
California	188,981	379,994	560,247	. . . . .	23	1,013
Connecticut	4,674	460,147	537,454	. . . . .	630	820
Delaware	2,120	112,216	125,015	. . . . .	127	227
Florida	59,268	140,424	187,748	. . . . .	402	466
Georgia	58,000	1,057,286	1,184,109	. . . . .	1,420	2,108
Illinois	55,410	1,711,951	2,539,891	. . . . .	2,998	5,904
Indiana	33,809	1,350,428	1,680,637	. . . . .	2,175	3,529
Iowa	55,045	674,913	1,191,792	1,350,544	731	3,160
Kansas	81,313	107,209	364,399	528,349	. . .	1,760
Kentucky	37,600	1,155,684	1,321,011	. . . . .	567	1,123
Louisiana	41,346	708,002	726,915	857,039	355	539
Maine	31,776	628,279	626,915	. . . . .	505	871
Maryland	11,184	687,049	780,894	. . . . .	408	820
Massachusetts	7,800	1,231,066	1,457,351	1,651,912	1,285	1,606
Michigan	56,451	749,113	1,184,059	1,334,031	853	2,235
Minnesota	83,531	172,023	439,706	598,429	. . .	1,612
Mississippi	47,156	791,305	827,922	. . . . .	862	990
Missouri	65,350	1,182,012	1,721,295	. . . . .	838	2,580
Nebraska	75,995	28,841	123,993	246,280	. . .	828
Nevada	112,090	6,857	42,491	52,540	. . .	593
New Hampshire	9,280	326,073	318,300	. . . . .	661	790
New Jersey	8,320	672,035	906,096	1,026,502	633	1,265
New York	47,000	3,880,735	4,382,759	4,698,958	2,728	4,470
North Carolina	50,704	992,622	1,071,361	. . . . .	937	1,190
Ohio	39,964	2,339,511	2,665,260	. . . . .	3,100	3,740
Oregon	95,244	52,465	90,923	. . . . .	4	159
Pennsylvania	46,000	2,906,215	3,521,791	. . . . .	3,006	5,113
Rhode Island	1,306	174,620	217,353	258,239	108	136
South Carolina	29,385	703,708	705,606	925,145	973	1,201
Tennessee	45,600	1,109,801	1,258,520	. . . . .	1,253	1,520
Texas	237,504	604,215	818,579	. . . . .	451	865
Vermont	10,212	315,098	330,551	. . . . .	562	675
Virginia	40,904	1,219,630	1,225,163	. . . . .	1,379	1,490
West Virginia	23,000	376,688	442,014	. . . . .	361	485
Wisconsin	53,924	775,881	1,054,670	1,236,729	961	1,725
Total States	1,950,171	31,183,744	38,113,253	. . . . .	32,120	59,587
<i>Territories.</i>						
Arizona	113,916	. . . . .	9,658	. . . . .	. . .	. . .
Colorado	104,500	34,277	39,864	. . . . .	. . .	392
Dakota	147,490	4,837	14,181	. . . . .	. . .	. . .
District of Columbia	60	75,080	131,700	. . . . .	. . .	. . .
Idaho	90,932	. . . . .	14,999	. . . . .	. . .	. . .
Montana	143,776	. . . . .	20,595	. . . . .	. . .	. . .
New Mexico	121,201	93,516	91,874	. . . . .	. . .	. . .
Utah	80,056	46,273	86,786	. . . . .	. . .	375
Washington	69,944	11,594	23,955	. . . . .	. . .	. . .
Wyoming	93,107	. . . . .	9,118	. . . . .	. . .	498
Total Territories	964,982	259,577	442,730	. . . . .	. . .	1,265
Total of United States	2,915,203	31,443,321	38,555,983	00,000,000	32,120	60,852

Table Showing Difference of Time at 12 o'clock (noon) at New York.

New York . . . 12.00 N.	New Orleans . 10.56 A. M.	London . . . 4.55 P. M.
Albany . . . 12.00 "	Washington . 11.48 "	Paris 5.05 "
Buffalo . . . 11.40 A. M.	Charleston . . 11.36 "	Rome 5.45 "
Cincinnati . . 11.18 "	Havana . . . 11.25 "	Constantinople 6.41 "
Chicago . . . 11.07 "	Boston . . . 12.12 P. M.	Vienna 6.00 "
St. Louis . . . 10.55 "	Quebec . . . 12.12 "	St. Petersburg 6.57 "
San Francisco . 8.45 "	Portland . . . 12.15 "	Pekin, night . 12.40 A. M.

Population of the Principal Cities of the United States.

FROM THE LATEST CENSUS REPORTS.

Adrian, Mich.	10,072	Hamilton, Ohio	11,081	Orange, N. J.	10,813
Akron, Ohio	10,006	Hanibal, Mo.	10,000	Oshkosh, Wis.	17,015
Albany, N. Y.	86,541	Harrisburg, Pa.	27,926	Oswego, N. Y.	22,428
Alexandria, Va.	13,570	Hartford, Conn.	37,180	Paterson, N. J.	38,824
Alleghany, Pa.	72,000	Haverhill, Mass.	14,700	Peoria, Ill.	30,639
Allentown, Pa.	13,884	Hoboken, N. J.	26,000	Petersburg, Va.	18,950
Alton, Ill.	11,773	Houston, Texas	25,960	Philadelphia, Pa.	817,448
Altoona, Pa.	15,329	Hudson, N. Y.	8,784	Pittsburgh, Pa.	86,076
Atlanta, Ga.	21,789	Indianapolis, Ind.	48,244	Portland, Me.	35,031
Auburn, N. Y.	19,649	Jackson, Mich.	13,889	Portland, Oregon	8,293
Augusta, Ga.	15,389	Jacksonville, Ill.	9,203	Portsmouth, N. H.	10,043
Aurora, Ill.	11,162	Janesville, Wis.	10,115	Portsmouth, Ohio	13,140
Baltimore, Md.	267,354	Jersey City, N. J.	109,229	Portsmouth, Va.	10,492
Bangor, Me.	18,289	Kansas City, Mo.	32,732	Poughkeepsie, N. Y.	20,022
Belleville, Ill.	10,249	Keokuk, Iowa	14,500	Providence, R. I.	100,675
Biddeford, Me.	10,282	Knoxville, Tenn.	8,682	Quincy, Ill.	35,181
Binghamton, N. Y.	15,518	Kingsford, N. Y.	20,445	Racine, Wis.	13,300
Bloomington, Ill.	23,180	Lafayette, Ind.	18,200	Raleigh, N. C.	15,500
Boston, Mass.	341,919	Laurel, Pa.	25,421	Reading, Pa.	40,109
Bridgeport, Conn.	19,876	Lawrence, Kansas	8,149	Richmond, Ind.	13,124
Brooklyn, N. Y.	482,493	Lawrence, Mass.	35,400	Richmond, Va.	51,038
Buffalo, N. Y.	134,557	Leavenworth, Kan.	16,000	Rochester, N. Y.	81,722
Burlington, Iowa	20,000	Lewiston, Me.	13,600	Rome, N. Y.	12,251
Burlington, Vt.	14,387	Lexington, Ky.	19,733	Sacramento, Cal.	16,283
Cambridge, Mass.	47,833	Little Rock, Ark.	20,475	St. Joseph, Mo.	19,565
Camden, N. J.	20,045	Lockport, N. Y.	12,553	St. Louis, Mo.	310,864
Canton, Ohio	9,109	Logansport, Ind.	8,950	St. Paul, Minn.	33,400
Chicago, Ill.	298,977	Louisville, Ky.	100,753	Salem, Mass.	25,958
Charleston, S. C.	48,956	Lowell, Mass.	49,688	Salt Lake City, Utah	12,854
Charlestown, Mass.	28,323	Lynn, Mass.	32,600	San Antonio, Texas	13,861
Chillicothe, Ohio	8,920	Long Is. City, N. Y.	15,587	Sandusky, Ohio	13,000
Chester, Pa.	9,485	Louisville, Ky.	100,753	San Francisco, Cal.	149,473
Cincinnati, Ohio	216,239	Macon, Ga.	19,304	Savannah, Ga.	28,235
Cleveland, Ohio	92,829	Manchester, N. H.	23,536	Schenectady, N. Y.	12,759
Columbia, S. C.	9,298	Madison, Ind.	11,557	Scranton, Pa.	35,092
Columbus, Ohio	31,274	Madison, Wis.	10,039	Springfield, Ill.	25,000
Cohoes, N. Y.	17,493	Mansfield, Ohio	8,029	Springfield, Mass.	31,053
Concord, N. H.	12,241	Memphis, Tenn.	40,226	Springfield, Ohio	12,652
Council Bluffs, Io.	10,020	Milwaukee, Wis.	100,750	Stockton, Cal.	13,360
Covington, Ky.	28,574	Minneapolis, Minn.	34,000	Syracuse, N. Y.	48,255
Davenport, Iowa	21,234	Mobile, Ala.	46,000	Taunton, Mass.	20,429
Dayton, Ohio	30,473	Nashua, N. H.	10,543	Terre Haute, Ind.	19,265
Des Moines, Iowa	18,343	Nashville, Tenn.	27,950	Titusville, Pa.	8,639
Detroit, Mich.	101,083	Natchez, Miss.	9,057	Toledo, Ohio	31,584
Dover, N. H.	9,294	New Albany, Ind.	15,396	Trenton, N. J.	22,874
Dubuque, Iowa	23,605	Newark, N. J.	123,310	Troy, N. Y.	48,531
East Saginaw, Mich.	17,174	New Bedford, Mass.	25,876	Utica, N. Y.	32,496
Elizabeth, N. J.	25,923	Newburgh, N. Y.	17,322	Vicksburg, Miss.	12,443
Elmira, N. Y.	20,436	Newburyport, Mass.	13,323	Washington, D. C.	109,199
Erie, Pa.	26,037	New Brunswick, N. J.	16,660	Waterbury, Conn.	16,032
Evansville, Ind.	21,830	New Haven, Conn.	50,840	Watertown, N. Y.	9,992
Fall River, Mass.	45,340	New Orleans, La.	203,489	Wheeling, W. Va.	29,000
Fond du Lac, Wis.	15,308	Newport, Ky.	22,000	Williamsport, Pa.	16,030
Fort Wayne, Ind.	25,000	Newport, R. I.	14,028	Wilmington, Del.	30,841
Frederick, Md.	8,526	New York, N. Y.	1,041,886	Wilmington, N. C.	13,446
Galesburg, Ill.	10,158	Norfolk, Va.	23,500	Worcester, Mass.	49,265
Galveston, Texas	34,213	Norwich, Conn.	16,653	York, Pa.	11,003
Georgetown, D. C.	11,384	Ogdensburg, N. Y.	10,358	Yonkers, N. Y.	17,232
Grand Rapids, Mich.	26,692	Omaha, Neb.	16,083	Zanesville, Ohio	10,011

STRENGTH OF ICE OF DIFFERENT THICKNESS.

Two inches thick—Will support a man.

Four inches thick—Will support a man on horseback.

Five inches thick—Will support an eighty-pounder cannon.

Eight inches thick—Will support a battery of artillery, with carriages and horses.

Ten inches thick—Will support an army; an innumerable multitude.

Population of the Principal Cities of the World,

OUTSIDE OF THE UNITED STATES. (LATEST CENSUS.)

Athens, Greece	46,000	Lisbon, Portugal	275,286
Abbeokoota, Africa	100,000	Leeds, England	259,201
Adrianople, Turkey	103,000	Lima, Peru	160,056
Agra, India	149,038	Liege, Belgium	111,853
Ahmedabad, India	139,000	Lille, France	154,749
Alexandria, Egypt	180,796	Liverpool, England	493,346
Algiers, Africa	100,000	Lucknow, India	300,000
Amoy, China	250,000	Lyons, France	323,954
Amsterdam, Holland	289,982	Madrid, Spain	475,785
Antwerp, Belgium	141,910	Madras, India	427,771
Berlin, Germany	966,872	Manchester, England	383,843
Brussels, Belgium	365,401	Manila, Philippine Is	160,000
Berne, Switzerland	36,000	Marseilles, France	300,131
Bahia, Brazil	129,109	Maiko, Japan	500,000
Buenos Ayres, Argentine Rep.	177,890	Mexico, Mexico	210,300
Bogota, Columbia (N. Granada)	45,000	Milín, Italy	261,976
Bangalore, India	142,513	Monte Video, Uruguay	105,295
Bangkok, Siam	500,000	Montreal, Canada	107,225
Barcelona, Spain	252,015	Moorshedabad, India	146,963
Bareilly, India	111,332	Moscow, Russia	611,970
Baroda, India	140,000	Munich, Bavaria	169,693
Belfast, Ireland	174,394	Nagpoor, India	111,231
Benares, India	200,000	Nanking, China	400,000
Beyrout, Syria	100,000	Nantes, France	111,956
Bhurtpoor, India	100,000	Naples, Italy	448,743
Birmingham, England	343,696	Newcastle-on-Tyne, England	128,160
Bombay, India	644,405	Ningpo, China	400,000
Bordeaux, France	194,241	Odessa, Russia	162,814
Bradford, England	145,827	Ooroomtsee, Toorkistan	150,000
Breslau, Prussia	171,926	Osaka, Japan	373,000
Bristol, England	182,524	Paris, France	1,794,380
Bucharest, Turkey	121,734	Palermo, Italy	219,938
Constantinople, Turkey	1,075,000	Patna, India	158,900
Cairo, Egypt	282,348	Pekin, China	1,648,800
Caleutta, India	794,645	Pesth, Hungary	201,911
Canton, China	1,236,630	Portsmouth, England	112,954
Cawnpore, India	122,770	Port au Prince, Hayti	22,000
Chang-Choo, China	1,000,030	Prague, Bohemia	157,123
Copenhagen, Denmark	181,291	Riga, Russia	102,043
Cologne, Prussia	135,371	Rio Janeiro, Brazil	274,972
Damascus, Turkey	120,000	Rome, Italy	244,482
Delhi, India	152,406	Rotterdam, Holland	118,837
Dhar, India	100,030	Rouen, France	102,649
Dresden, Germany	156,024	San Domingo, San Domingo	15,000
Dublin, Ireland	245,722	Santiago, Chili	148,264
Dundee, Scotland	118,974	Saigon, Anam	200,000
Edinburgh, Scotland	196,500	Salford, England	124,805
Erzerum, Turkey	100,030	Seville Spain	118,248
Fez, Morocco	103,000	Shang-Hai, China	395,000
Florence, Italy	167,093	Sheffield, England	239,947
Foo-Choo, China	609,000	Smyrna, Asia Minor	150,000
Fyzabad, India	100,000	Soo-Choo, China	2,000,000
Genoa, Italy	130,269	St. Petersburg, Russia	667,926
Ghent, Belgium	126,203	Stoke-upon-Trent, England	130,507
Glasgow, Scotland	477,144	Stockholm, Sweden	152,582
Greenwich, England	167,632	Teheran, Persia	85,000
Hamburg, Germany	224,974	Toulouse, France	113,229
Hague, Holland	100,254	Trieste, Austria	104,707
Han-Keoo, China	800,000	Tunis, Africa	125,000
Havana, Cuba	205,676	Turin, Italy	207,770
Herat, Afghanistan	100,030	Valencia, Spain	107,703
Hull, England	121,596	Venice, Italy	128,901
Hyderabad, India	200,000	Vienna, Austria	1,000,999
Joodpoor, India	150,000	Warsaw, Poland	243,512
Konigsberg, Prussia	122,676	Yarkand, Toorkistan	125,000
London, England	3,254,260	Yeddo, Japan	1,554,900

Number of Miles from New York to

Adrian, Mich	775	Des Moines, Iowa . . .	1,251	New Orleans, La . . .	1,550
Akron, Ohio	610	Detroit, Mich	679	Newport, Ky	744
Albany, N. Y	143	Dover, N. H	304	Newport, R. I	102
Alexandria, Va	238	Dubuque, Iowa	1,100	Norwalk, Conn	45
Algiers, La	1,551	Dunkirk, N. Y	460	Omaha, Neb	1,455
Alleghany, Pa	434	Elmira, N. Y	274	Oswego, N. Y	237
Allentown, Pa	92	Erie, Pa	503	Paterson, N. J	17
Alton, Ill	1,060	Evansville, Ind	1,021	Peoria, Ill	1,072
Annapolis, Md	222	Fall River, Mass	180	Petersburg, Va	378
Ann Arbor, Mich	716	Fitchburg, Mass	286	Philadelphia, Pa . . .	88
Atchison, Kansas	1,368	Fort Kearney, Neb . . .	1,598	Pittsburgh, Pa	431
Atlanta, Ga	1,018	Fort Wayne, Ind	763	Portland, Me	344
Auburn, N. Y	328	Fredericksburg, Va . . .	296	Providence, R. I . . .	193
Augusta, Me	407	Galena, Ill	1,083	Quincy, Ill	1,176
Augusta, Ga	887	Galesburg, Ill	1,076	Racine, Wis	976
Aurora, Ill	951	Galveston, Texas	1,900	Raleigh, N. C	669
Baltimore, Md	188	Georgetown, D. C . . .	228	Reading, Pa	128
Bangor, Me	482	Hamilton, Ohio	766	Richmond, Va	356
Batli, Me	332	Harrisburg, Pa	182	Rochester, N. Y . . .	386
Baton Rouge, La	1,320	Hartford, Conn	112	Rock Island, Ill . . .	1,093
Belfast, Me	424	Hudson, N. Y	115	Rome, N. Y	264
Bellefontaine, Ohio . . .	658	Indianapolis, Ind . . .	838	Roxbury, Mass	238
Binghamton, N. Y . . .	215	Jackson, Miss	1,498	Sacramento, Cal . . .	2,900
Blackstone, Mass	272	Jefferson City, Mo . . .	1,210	St. Joseph, Mo	1,384
Bloomington, Ill	1,037	Kalamazoo, Mich	822	St. Louis, Mo	1,084
Boston, Mass	236	Kansas City, Mo	1,361	St. Paul, Minn	1,441
Bristol, R. I	215	Kingston, N. Y	88	Salem, Mass	252
Bucyrus, Ohio	632	Lafayette, Ind	903	Salt Lake City, Utah .	2,410
Buffalo, N. Y	433	Lansing, Mich	785	San Francisco, Cal . .	3,038
Burlington, N. J	74	Lawrence, Mass	262	Sandusky, Ohio	642
Burlington, Iowa	1,122	Leavenworth, Kan . . .	1,385	Saratoga, N. Y	182
Burlington, Vt	230	Lexington, Ky	840	Savannah, Ga	974
Cambridge, Mass	239	Lexington, Mo	1,354	Scranton, Pa	142
Camden, N. J	91	Little Rock, Ark	1,430	Springfield, Ill	1,062
Canandaigua, N. Y . . .	377	Lockport, N. Y	507	Springfield, Mass . . .	138
Carson City, Nevada . . .	2,800	Louisville, Ky	900	Springfield, Ohio . . .	828
Chambersburg, Pa	246	Lowell, Mass	261	Staunton, Va	486
Charleston, S. C	874	Lynchburg, Va	404	Stonington, Conn . . .	143
Charlestown, Mass	235	Macon, Ga	1,121	Syracuse, N. Y	302
Chattanooga, Tenn	980	Madison, Wis	1,049	Taunton, Mass	210
Chicago, Ill	911	Memphis, Tenn	1,289	Tallahassee, Fla . . .	1,190
Chillicothe, Ohio	645	Milledgeville, Ga	1,100	Terre Haute, Ind . . .	912
Cincinnati, Ohio	744	Milwaukee, Wis	996	Toledo, Ohio	742
Circleville, Ohio	640	Mobile, Ala	1,370	Tonawanda, N. Y . . .	463
Cleveland, Ohio	581	Montgomery, Ala	1,193	Trenton, N. J	58
Columbia, S. C	744	Montpelier, Vt	454	Troy, N. Y	148
Columbus, Ohio	624	Nashua, N. H	275	Utica, N. Y	249
Concord, N. H	308	Nashville, Tenn	1,085	Vicksburg, Miss	1,542
Covington, Ky	745	New Albany, Ind	903	Washington, D. C . . .	230
Cumberland, Md	364	New Bedford, Mass . . .	181	Wheeling, W. Va . . .	522
Davenport, Iowa	1,093	New Brunswick, N. J . .	32	Wilmington, Del . . .	116
Dayton, Ohio	804	Newburgh, N. Y	53	Wilmington, N. C . . .	604
Denver City, Col	1,980	New Haven, Conn	76	Worcester, Mass . . .	192

Number of Miles by Water from New York to

Amsterdam	3,510	Dublin	3,225	New Orleans	2,045
Bermudas	660	Gibraltar	3,300	Panama	2,358
Bombay	11,574	Halifax	612	Pekin	15,325
Boston	310	Hamburg	3,775	Philadelphia	240
Buenos Ayres	7,110	Havana	1,420	Quebec	1,400
Calcutta	12,425	Havre	3,210	Rio Janeiro	3,840
Canton	13,900	Kingston	1,640	Round the Globe . . .	25,000
Cape Horn	8,115	Lima	11,310	Sandwich Island . . .	15,300
Cape of Good Hope . . .	6,830	Liverpool	3,210	San Francisco	15,858
Charleston	750	London	3,375	St. Petersburg	4,420
Columbia River	15,965	Madras	11,850	Valparaiso	9,750
Constantinople	5,140	Naples	4,330	Washington	400

FOREIGN AND UNITED STATES GOLD COIN.

Their Weight, Fineness and Value as Assayed at the United States Mint.

NOTE.—Their weight is given in Troy-ounces* and decimals of the same; the fineness shows how many parts in 1000 are fine Gold; the value is the intrinsic relative value, as compared with the amount of fine Gold in United States coin.

COUNTRIES.	DENOMINATIONS.	Weight.	Fineness.	Value.
Australia	Pound of 1852	0.281	916.5	\$5.324
"	Sovereign, 1855 and 1860	0.2565	916	4.857
Austria	Ducat	0.112	986	2.283
"	Sovereign	0.363	900	6.754
"	New Union Coin	0.357	900	6.612
Belgium	25 Francs	0.254	899	4.72
Bolivia	Doubloon	0.867	870	15.593
Brazil	Twenty Milreis	0.575	917.5	10.906
Central America. .	Two Escudos	0.209	853.5	3.688
"	Four Reals	0.027	875	0.488
Chili	Old Doubloon	0.867	870	15.593
"	Ten Pesos	0.492	900	9.154
Denmark	Ten Thalers	0.427	895	7.90
Ecuador	Four Escudos	0.433	844	7.555
England	Pound or Sovereign, new	0.2567	916.5	4.863
"	" " average	0.2562	916	4.851
France	Twenty Francs, new	0.2075	899	3.858
"	" " average	0.207	899	3.847
Germany	Ten Thalers	0.427	895	7.90
"	Ten Mark	0.128	900	2.38
"	Krone (crown)	0.357	900	6.642
"	Twenty Mark	0.256	900	4.76
Greece	Twenty Drachms	0.185	900	3.412
Hindostan	Mohur	0.374	916	7.082
Italy	Twenty Lire	0.207	898	3.843
Japan	Old Cobang	0.362	568	4.44
"	"	0.289	572	3.576
"	Yen (new, assumed)	0.535	900	9.956
Mexico	Doubloon, average	0.8675	866	15.53
"	" new	0.8675	870.5	15.611
"	Twenty Pesos (Max.)	1.086	875	19.643
"	" (Repub.)	1.090	875	19.72
Naples	Six Ducaati	1.245	996	5.044
Netherlands	Ten Guilders	0.215	899	3.997
New Granada	Old Doubloon (Bogota)	0.868	870	15.611
"	" (Popayan)	0.867	858	15.378
"	Ten Pesos	0.525	891.5	9.675
Peru	Old Doubloon	0.867	868	15.557
"	Twenty Sols	1.055	898	19.213
Portugal	Gold Crown	0.308	912	5.807
Prussia	New Crown (assumed)	0.357	900	6.642
Rome	2½ Scudi (new)	0.140	900	2.605
Russia	Five Rubles	0.210	916	3.976
Spain	100 Reals	0.268	896	4.964
"	80 "	0.215	869.5	3.864
Sweden	Ducat	0.111	875	2.237
"	Carolín, 10 frs	0.104	900	1.935
Tunis	25 Piastres	0.161	900	2.995
Turkey	100 Piastres	0.231	915	4.369
Tuscany	Seguin	0.112	999	2.313
United States	Dollar	0.05375	900	1.00
"	Quarter Eagle	0.13437	900	2.50
"	Three Dollar	0.16125	900	3.00
"	Half Eagle	0.26875	900	5.00
"	Eagle	0.5375	900	10.00
"	Double Eagle	1.075	900	20.00

* TROY WEIGHT.—24 grains make 1 pennyweight; 20 pennyweights make 1 ounce; 12 ounces make 1 pound.

FOREIGN AND UNITED STATES SILVER COIN.

As Assayed at the United States Mint, the basis of Valuation being \$1.22½ per Ounce of Standard Fineness.

NOTE.—Their weight is given in Troy-ounces*; fineness in thousandths.

COUNTRIES.	DENOMINATIONS.	Weight.	Fineness.	Value.
Austria	Old Rix Dollar	0.902	833	\$1.023
"	Old Scudo	0.836	902	1.026
"	Florin before 1858	0.451	833	.511
"	New Florin	0.397	900	.486
"	New Union Dollar	0.596	900	.731
"	Maria Theresa Dollar 1780	0.895	838	1.021
Belgium	Five Francs	0.803	897	.98
Bolivia	New Dollar	0.801	900	.981
Brazil	Double Milreis	0.820	918.5	1.025
Canada	Twenty Cents	0.150	925	.189
"	Twenty-five Cents	0.1875	925	.236
Central America.	Dollar	0.866	850	1.002
Chili	Old Dollar	0.864	908	1.068
"	New Dollar	0.801	900.5	.982
China	Dollar (English) assumed	0.866	901	1.062
"	Ten Cents	0.087	901	.106
Denmark	Two Rigsdaler	0.927	877	1.107
England	Shilling, new	0.1825	924.5	.23
"	Shilling, average	0.178	925	.224
France	Five Francs, average	0.800	900	.98
"	Two Francs	0.320	835	.364
Germany	One Mark	0.402	900	.19
"	New Thaler	0.595	900	.729
"	Florin before 1857	0.340	900	.417
"	New Florin, assumed	0.340	900	.417
Greece	Five Drachms	0.719	900	.881
Hindustan	Rupee	0.374	916	.466
Japan	Itzabu	0.279	991	.376
"	New Itzabu	0.279	890	.338
"	10 Sen (new coinage)	0.804	800	.985
Mexico	Dollar, new	0.8675	903	1.066
"	Dollar, average	0.866	901	1.062
"	Peso of Maximilian	0.861	902.5	1.055
Naples	Scudo	0.844	830	.953
Netherlands	2½ Guilders	0.804	944	1.033
Norway	Specie Daler	0.927	877	1.107
New Granada	Dollar of 1857	0.803	896	.98
Peru	Old Dollar	0.866	901	1.062
"	Dollar of 1858	0.766	909	.948
"	Half Dollar, 1835 and 1838	0.433	650	.383
"	Sol	0.802	900	.982
Prussia	Thaler before 1857	0.712	750	.727
"	New Thaler	0.595	900	.729
Rome	Scudo	0.864	900	1.058
Russia	Ruble	0.667	875	.794
Sardinia	Five Lire	0.800	900	.98
Spain	New Pistareen	0.166	899	.203
Sweden	Rix Dollar	0.092	750	1.115
Switzerland	Two Francs	0.323	899	.395
Tunis	Five Piastres	0.511	898.5	.625
Turkey	Twenty Piastres	0.770	830	.87
Tuscany	Florin	0.220	925	.276
United States	Dollar	0.859½	900	
"	Half Dollar	0.400	900	
"	Quarter Dollar	0.200	900	
"	Dime	0.080	900	
"	Half Dime	0.040	900	
"	Three Cent	0.024	900	

* TROY WEIGHT.—24 grains make 1 pennyweight; 20 pennyweights make 1 ounce; 12 ounces make 1 pound.

FICTITIOUS NAMES OF STATES.

- BADGER STATE.**—A name popularly given to the State of Wisconsin.
- BAY STATE.**—A popular name of Massachusetts, which, previous to the adoption of the Federal Constitution, was called the Colony of Massachusetts Bay.
- BAYOU STATE.**—A name sometimes given to the State of Mississippi, which abounds in bayous, or creeks.
- BEAR STATE.**—A name by which the State of Arkansas is sometimes designated, on account of the number of Bears that infest its forests.
- CREOLE STATE.**—A name sometimes given to the State of Louisiana, in which the descendants of the original French and Spanish settlers constitute a large proportion of the population.
- DIAMOND STATE.**—A name sometimes given to the State of Delaware, from its small size and great worth, or supposed importance.
- EMPIRE STATE.**—A popular name of the State of New York, the most populous and the wealthiest State in the Union.
- EXCELSIOR STATE.**—The State of New York, sometimes so called from the motto "Excelsior" upon its coat of arms.
- FREESTONE STATE.**—The State of Connecticut;—sometimes so called from the quarries of freestone which it contains.
- GRANITE STATE.**—A popular name for the State of New Hampshire, the mountainous portions of which are largely composed of granite.
- GREEN-MOUNTAIN STATE.**—A popular name for the State of Vermont, the Green Mountains being the principal mountain range in the state.
- HAWKEYE STATE.**—The State of Iowa;—said to be so named after an Indian chief, who was once a terror to *voyageurs* to its borders.
- HOOSIER STATE.**—The State of Indiana, the inhabitants of which are often called *Hoosiers*. This word is a corruption of *husher*, formerly a common term for a bully, throughout the West.
- KEYSTONE STATE.**—The State of Pennsylvania;—so called from its having been the central State of the Union at the time of the formation of the Constitution. If the names of the thirteen original States are arranged in the form of an arch, Pennsylvania will occupy the place of the keystone.
- LAKE STATE.**—A name popularly given to the State of Michigan, which borders upon the four lakes, Superior, Michigan, Huron, and Erie.
- LONE-STAR STATE.**—The State of Texas;—so called from the device on its coat of arms.
- LUMBER STATE.**—A popular designation for the State of Maine, the inhabitants of which are largely engaged in the business of cutting and raiting lumber, or of converting it into boards shingles, scantlings, and the like.
- MOTHER OF PRESIDENTS.**—A name frequently given, in the United States to the State of Virginia, which has furnished six presidents to the Union.
- MOTHER OF STATES.**—A name sometimes given to Virginia, the first-settled of the thirteen States which united in the declaration of independence.
- NUTMEG STATE.**—A popular name, in America, for the State of Connecticut, the inhabitants of which have such a reputation for shrewdness, that they have been jocosely accused of palming off wooden nutmegs on unsuspecting purchasers, instead of the genuine article.
- OLD COLONY.**—A name popularly given to that portion of Massachusetts included within the original limits of the Plymouth colony, which was formed at an earlier date than the colony of Massachusetts Bay.
- OLD DOMINION.**—A popular name for the State of Virginia.
- OLD NORTH STATE.**—A popular designation of the State of North Carolina.
- PALMETTO STATE.**—The State of South Carolina;—so called from the arms of the State, which contain a palmetto.
- PENINSULAR STATE.**—The State of Florida;—so called from its shape.
- PINE-TREE STATE.**—A popular name of the State of Maine, the central and northern portions of which are covered with extensive pine forests.
- PRAIRIE STATE.**—A name given to Illinois in allusion to the wide-spread and beautiful prairies, which form a striking feature of the scenery of the State.
- TURPENTINE STATE.**—A popular name for the State of North Carolina, which produces and exports immense quantities of turpentine.

FICTITIOUS NAMES OF CITIES.

- BLUFF CITY.**—A descriptive name popularly given to the city of Hannibal, Missouri.
- CITY OF BROTHERLY LOVE.**—Philadelphia is sometimes so called, this being the literal signification of the name.
- CITY OF CHURCHES.**—A name popularly given to the city of Brooklyn, N. Y., from the unusually large number of churches which it contains.
- CITY OF ELMS.**—A familiar denomination of New Haven, Conn., many of the streets of which are thickly shaded with lofty elms.
- CITY OF MAGNIFICENT DISTANCES.**—A popular designation given to the city of Washington, the capital of the United States, which is laid out on a very large scale, being intended to cover a space four miles and a half long, and two miles and a half broad, or eleven square miles. The entire site is traversed by two sets of streets from 70 to 100 feet wide, at right angles to one another, the whole again intersected obliquely by fifteen avenues from 130 to 160 feet wide.
- CITY OF NOTIONS.**—In the United States, a popular name for the city of Boston, Mass., the metropolis of Yankeeedom.
- CITY OF ROCKS.**—A descriptive name popularly given, in the United States, to the city of Nashville, Tenn.
- CITY OF SPINDLES.**—A name popularly given to the city of Lowell, Mass., the largest cotton-manufacturing town in the United States.
- CITY OF THE STRAITS.**—A name popularly given to Detroit, which is situated on the west bank of the river or strait connecting Lake St. Clair with Lake Erie. *Detroit* is a French word, meaning "strait."
- CRESCENT CITY.**—A popular name for the city of New Orleans, the older portion of which is built around the convex side of a bend of the Mississippi River.
- EMPIRE CITY.**—The city of New York, the chief city of the western world, and the metropolis of the Empire State.
- FALL CITY.**—Louisville, Ky.;—popularly so called from the falls which, at this place, impede the navigation of the Ohio River.
- FLOUR CITY.**—A popular designation, in the United States, for the city of Rochester, N. Y., a place remarkable for its extensive manufactories of flour.
- FLOWER CITY.**—Springfield, Illinois, the capital of the State, which is distinguished for the beauty of its surroundings.
- FOREST CITY.**—1. Cleveland, Ohio;—so called from the many ornamental trees with which the streets are bordered.
2. A name given to Portland, Maine, a city distinguished for its many elms and other beautiful shade-trees.
- GARDEN CITY.**—A popular name for Chicago, a city which is remarkable for the number and beauty of its private gardens.
- GARDEN OF THE WEST.**—A name usually given to Kansas, but sometimes applied to Illinois and others of the Western States, which are all noted for their productiveness.
- GATE CITY.**—Keokuk, Iowa;—popularly so called. It is situated at the foot of lower rapids of the Mississippi.
- GOTHAM.**—A popular name for the city of New York.
- HUB OF THE UNIVERSE.**—A burlesque and popular designation of Boston, Mass., originating with the American humorist, O. W. Holmes.
- IRON CITY.**—A name popularly given in the United States, to Pittsburgh, Pa., a city distinguished for its numerous and immense iron manufactures.
- MONUMENTAL CITY.**—The city of Baltimore;—so called from the monuments which it contains.
- MOUND CITY.**—A name popularly given to St. Louis, on account of the numerous artificial mounds that occupied the site on which the city is built.
- PURITAN CITY.**—A name sometimes given to the city of Boston, Mass., in allusion to the character of its founders and early inhabitants.
- QUAKER CITY.**—A popular name of Philadelphia, which was planned and settled by William Penn.
- QUEEN CITY.**—A popular name of Cincinnati;—so called when it was the undisputed commercial metropolis of the West.
- QUEEN CITY OF THE LAKES.**—A name sometimes given to the city of Buffalo, N. Y., from its position and importance.
- RAILROAD CITY.**—Indianapolis, the capital of the State of Indiana, is sometimes called by this name, as being the terminus of various railroads.
- SMOKY CITY.**—A name sometimes given to Pittsburgh, an important manufacturing city of Pennsylvania.

Opening and Closing of the Hudson River for 56 years.

Year.	River Closed.	River Opened.	Days Closed.	Year.	River Closed.	River Opened.	Days Closed.
1824-5 . . .	Jan. 5 . . .	March 6 . . .	60	1852-3 . . .	Dec. 23 . . .	March 23 . . .	91
1825-6 . . .	Dec. 23 . . .	Feb'y 26 . . .	65	1853-4 . . .	Dec. 21 . . .	March 17 . . .	86
1826-7 . . .	Dec. 24 . . .	March 20 . . .	86	1854-5 . . .	Dec. 8 . . .	March 27 . . .	108
1827-8 . . .	Nov. 25 . . .	Feb'y 8 . . .	75	1855-6 . . .	Dec. 20 . . .	April 11 . . .	111
1828-9 . . .	Dec. 23 . . .	April 1 . . .	100	1856-7 . . .	Dec. 14 . . .	March 18 . . .	93
1829-30 . . .	Jan. 14 . . .	March 15 . . .	60	1857-8 . . .	Dec. 27 . . .	March 20 . . .	83
1830-1 . . .	Dec. 6 . . .	March 15 . . .	99	1858-9 . . .	Dec. 17 . . .	March 13 . . .	85
1831-2 . . .	Dec. 25 . . .	March 25 . . .	101	1859-60 . . .	Dec. 10 . . .	March 6 . . .	86
1832-3 . . .	Dec. 21 . . .	March 21 . . .	90	1860-1 . . .	Dec. 14 . . .	March 5 . . .	82
1833-4 . . .	Dec. 13 . . .	Feb'y 28 . . .	77	1861-2 . . .	Dec. 28 . . .	April 3 . . .	97
1834-5 . . .	Dec. 15 . . .	March 25 . . .	100	1862-3 . . .	Dec. 23 . . .	April 7 . . .	106
1835-6 . . .	Nov. 30 . . .	April 5 . . .	125	1863-4 . . .	Dec. 16 . . .	March 11 . . .	85
1836-7 . . .	Dec. 7 . . .	March 27 . . .	111	1864-5 . . .	Dec. 12 . . .	March 17 . . .	94
1837-8 . . .	Dec. 14 . . .	March 29 . . .	105	1865-6 . . .	Dec. 12 . . .	March 20 . . .	98
1838-9 . . .	Nov. 25 . . .	March 25 . . .	126	1866-7 . . .	Dec. 15 . . .	March 24 . . .	100
1839-40 . . .	Dec. 18 . . .	Feb'y 25 . . .	69	1867-8 . . .	Dec. 9 . . .	March 20 . . .	100
1840-1 . . .	Dec. 5 . . .	March 24 . . .	109	1868-9 . . .	Dec. 9 . . .	April 5 . . .	116
1841-2 . . .	Dec. 19 . . .	Feb'y 4 . . .	47	1869-70 . . .	Dec. 4 . . .	March 30 . . .	115
1842-3 . . .	Nov. 28 . . .	April 13 . . .	136	1870-1 . . .	Dec. 15 . . .	March 11 . . .	85
1843-4 . . .	Dec. 10 . . .	March 18 . . .	98	1871-2 . . .	Nov. 23 . . .	March 27 . . .	124
1844-5 . . .	Dec. 17 . . .	Feb'y 24 . . .	69	1872-3 . . .	Dec. 26 . . .	April 1 . . .	94
1845-6 . . .	Dec. 3 . . .	March 18 . . .	95	1873-4 . . .	Jan. 30 . . .	March 3 . . .	31
1846-7 . . .	Dec. 14 . . .	April 7 . . .	111	1874-5 . . .	Dec. 12 . . .	April 12 . . .	120
1847-8 . . .	Dec. 25 . . .	March 22 . . .	88	1875-6 . . .	Jan. 7 . . .	Feb'y 25 . . .	50
1848-9 . . .	Dec. 28 . . .	March 18 . . .	81	1876-7 . . .	Dec. 19 . . .	March 1 . . .	72
1849-50 . . .	Dec. 26 . . .	March 10 . . .	73	1877-8 . . .	Jan. 8 . . .	March 1 . . .	51
1850-1 . . .	Dec. 17 . . .	Feb'y 25 . . .	70	1878-9 . . .	Dec. 28 . . .	March 13 . . .	75
1851-2 . . .	Dec. 14 . . .	March 28 . . .	102	1879-80 . . .	Dec. 19 . . .	March 2 . . .	73

Table of Weights and Measures.

TROY WEIGHT.

24 Grains	make 1 pennyweight.
20 Pennyweights	" 1 ounce.
12 Ounces	" 1 pound.

Troy weight is used in weighing gold, silver, and jewels.

APOTHECARIES WEIGHT.

20 Grains	make 1 scruple.
3 Scruples	" 1 dram.
8 Drams	" 1 ounce.
12 Ounces	" 1 pound.

AVOIRDUPOIS WEIGHT.

16 Drams	make 1 ounce.
16 Ounces	" 1 pound.
25 Pounds	" 1 quarter.
4 Quarter	" 1 hundred lbs.
20 cwt. or 2000 lbs.	" 1 ton.

LIQUID MEASURE.

4 Gills	make 1 pint.
2 Pints	" 1 quart.
4 Quarts	" 1 gallon.
31½ Gallons	" 1 barrel.
2 Barrels, or 63 gal.	" 1 hogshead.

DRY MEASURE.

2 Pints	make 1 quart.
8 Quarts	" 1 peck.
4 Pecks	" 1 bushel.
36 Bushels	" 1 chaldron of coal.

LONG MEASURE.

12 inches	make 1 foot.
3 feet	" 1 yard.
5½ yards, 16½ feet	" 1 rod or pole.
40 rods	" 1 furlong.
8 furlongs, or 320 rods, or 1760 yds.	" 1 mile.

MEASURE OF TIME.

60 seconds	make 1 minute.
60 minutes	" 1 hour.
24 hours	" 1 day.
7 days	" 1 week.
4 weeks	" 1 lunar mo.
12 calendar month	" 1 year.
52 weeks	" 1 year.
365 D., 5 H., 48 M., 49 S.	" 1 solar yr.


LAND MEASURE.

7 92-100 inches	make 1 link.
100 links, or 66 feet, or 4 poles	" 1 chain.
10 chains long by 1 broad or 10 square chains.. . . .	" 1 acre.
80 chains	" 1 mile.

SURFACE MEASURE.

144 square inches	make 1 square foot.
9 square feet	" 1 square yard.
30½ square yards.	" 1 sq. rd. or perch
40 sq. perches	" 1 rood.
4 roods	" 1 acre.
640 acres	" 1 square mile.

UNITED STATES LAND MEASURE.

 A Township is 36 sections, each a mile square. A section is 640 acres. A quarter section, half a mile square, is 160 acres. An eighth section, half a mile long, north and south, and a quarter of a mile wide, is 80 acres. A sixteenth section, a quarter of a mile square, is 40 acres.

The sections are all numbered 1 to 36, commencing at north-east corner, thus :

6	5	4	3	2	NW/NE SW/SE
7	8	9	10	11	12
18	17	16*	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

* School section.

The sections are all divided in quarters, which are named by the cardinal points, as in section 1. The quarters are divided in the same way. The description of a forty-acre lot would read : The south half of the west half of the south-west quarter of section 1 in township 24, north of range 7 west, or as the case might be; and sometimes will fall short, and sometimes overrun the number of acres it is supposed to contain.

HOMESTEAD PRIVILEGE.—The laws give to every citizen, and to those who have declared their intention to become citizens, the right to a homestead on *surveyed* lands, to the extent of one quarter section, or 160 acres, or a half-quarter section, or 80 acres; the former in cases in the class of lower priced lands held by law at \$1.25 per acre, the latter of high priced lands held at \$2.50 per acre, when disposed of to cash purchasers.

CAPACITY OF WELLS OR CISTERNS.

Tabular view of the number of gallons contained in the clear between the brick-work for each ten inches of depth.

DIAMETER.	GALLONS.	DIAMETER.	GALLONS
2 feet equal	19	8 feet equal	313
2½ "	30	8½ "	353
3 "	44	9 "	396
3½ "	60	9½ "	461
4 "	78	10 "	489
4½ "	97	11 "	592
5 "	122	12 "	705
5½ "	148	13 "	827
6 "	176	14 "	959
6½ "	207	15 "	1101
7 "	240	20 "	1958
7½ "	275	25 "	3059

To Estimate the Amount of Hay in a Mow.

A gentleman largely engaged in the growing of hay and stock in Orange County, N. Y., says: "In this part of the country we sell hay by measurement, in a mow, and allow 512 cubic feet for a ton, and it comes out very generally correct. I have just sold a mow of hay and weighed it, and measured the mow, and this rule proved correct."

To Measure Corn in the Crib.

This rule will apply to a crib of any size or kind. Two cubic feet of good sound, dry corn in the ear will make a bushel of shelled corn. To get, then, the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth and height of the crib, inside of the rail; multiply the length by the breadth, and the product by the height; then divide the product by two, and you have the number of bushels of shelled corn in the crib.

To find the number of bushels of apples, potatoes, etc., in a bin, multiply the length, breadth and thickness together, and this product by 8, and point off one figure in the product for decimals.

BUSHEL MEASURE.

The following table shows the legal number of pounds per bushel of the following articles in the States therein named :

ARTICLES.	New York.	Michigan.	Indiana.	Illinois.	Wisconsin.	Iowa.	Missouri.
Wheat	60	60	60	60	60	60	60
Corn, Shelled	58	56	56	56	56	56	56
Corn, in Ear	70	70	68	70	70	70	70
Oats	32	32	32	32	32	33	35
Barley	48	48	48	48	48	48	48
Rye	56	56	56	56	56	56	56
Buckwheat	48	42	50	52	40	52	52
White Beans	60	60	60	60	60	60	60
Irish Potatoes	60	60	60	60	60	60	60
Sweet Potatoes	55	55	55	55	55	46	55
Turnips	55	55	55	55	55	55	55
Onions	57	57	57	57	57	57	57
Dried Peaches	32	28	33	33	28	33	33
Dried Apples	22	28	25	24	28	24	24
Bran	20	20	..	20	20	20	20
Hungarian Grass Seed	48	48	48	48	48	45	48
Hemp Seed	44	44	44	44	44	44	44
Flax Seed	56	56	56	56	56	56	56
Stone Coal . . . . .	..	..	70	80	..	80	..
Charcoal	22	22	22	22	22	22	22
Coarse Salt	56	50	50	50	50	50	50
Clover Seed	60	60	60	60	60	60	60
Timothy Seed . . . . .	..	..	..	45	46	45	..

FACTS WORTH KNOWING.

A cubit is two feet.

A pace is three feet.

A fathom is six feet.

A palm is three inches.

A league is three miles.

There are 2,750 languages.

Two persons die every second.

Sound moves 743 miles per hour.

A square mile contains 640 acres.

Light moves 192,000 miles per hour.

A barrel of rice weighs 600 pounds.

A barrel of flour weighs 196 pounds.

A barrel of pork weighs 200 pounds.

A firkin of butter weighs 56 pounds.

A span is ten and seven-eighths inches.

Slow rivers flow four miles per hour.

Rapid rivers flow seven miles per hour.

A hand (horse measure) is four inches.

A rifle ball moves 1,000 miles per hour.

A storm moves thirty-six miles per hour.

A hurricane moves eighty miles per hour.

Electricity moves 288,000 miles per hour.

The first iron steamship was built in 1830.

The first lucifer match was made in 1829.

Gold was discovered in California in 1848.

The first horse railroad was built in 1826-7.

The first steamboat plied the Hudson in 1807.

The average human life is thirty-one years.

America was discovered in 1492.

Envelopes were first used in 1839.

Telescopes were invented in 1590.

The first steel pen was made in 1830.

Coaches were first used in England in 1569.

Post offices were first established in 1464.

Watches were first constructed in 1476.

Modern needles first came into use in 1545.

Kerosene was first used for lighting purposes in 1826.

The first newspaper was published in England in 1588.

The first newspaper advertisement appeared in 1652.

The first use of a locomotive in this country was in 1829.

The first printing press in the United States was introduced in 1629.

Albert Durer gave the world a prophecy of future wood engraving in 1527.

Until 1776 cotton spinning was performed by the hand-spinning wheel.

Glass windows were first introduced into England in the eighth century.

Measure 209 feet on each side and you will have a square acre within an inch.

The first complete sewing machine was patented by Elias Howe, Jr. in 1846.

The first steam engine on this continent was brought from England in 1753.

The first knives were used in England and the first wheeled carriages in France in 1559.

THE MILE OF DIFFERENT NATIONS.

	Yards.		Yards.		Yards.
Arabian	2,148	Hesse	10,547	Prussian	8,468
Bohemian	10,187	Hungarian	9,113	Roman, ancient . . .	1,613
Brabant	6,082	French (art leagues) .	4,860	Roman, modern . . .	2,035
Burgundy	6,183	French (marine) . . .	6,075	Russian, Verst . . .	1,167
Chinese lls	628	Legal lgs. 2000 toises	4,263	Saxon	9,905
Dutch	6,395	Irish	3,038	Scotch	1,984
Danish	8,244	Italian	2,025	Silesian	7,083
English	1,760	Luthenian	9,784	Spanish, leguas . . .	4,630
English geograp'cal	2,025	Oldenburg	10,820	Spanish, com	7,416
Flemish	6,869	Persian paisang . . .	6,086	Swiss	9,166
German geograp'cal	8,100	Polish, short	6,095	Swedish	11,704
Hamburg	8,244	Polish, long	8,101	Turkey	1,821
Hanover	11,559	Portuguese, leguos . .	6,760	Westphalian	12,135

The Longest and Shortest Days at various Capitals.

NAME OF PLACE.	Length of the Long-est Day.		Length of the Short-est Day.		NAME OF PLACE.	Length of the Long-est Day.		Length of the Short-est Day.	
	H.	M.	H.	M.		H.	M.	H.	M.
Stockholm	18	30	5	54	Madrid	15	0	9	14
Copenhagen	17	20	6	54	Cairo	14	0	10	10
St. Petersburg	18	44	5	42	Naples	15	3	9	14
Berlin	16	38	7	40	Constantinople . . .	15	4	9	12
London	16	32	7	44	Calcutta	13	26	10	42
Edinburgh	17	32	6	50	Pekin	14	58	9	16
Dublin	16	56	7	18	Boston	15	16	8	58
Amsterdam	16	44	7	33	Cape Town	14	22	9	48
Vienna	15	58	8	17	Washington	14	52	9	22
Paris	16	6	8	10	Panama	12	36	11	34

HEAT AND COLD.

Degrees of HEAT above zero at which the following substances melt:

Wrought Iron	3,980	Brass	1,900	Sulphur	226
Cast Iron	3,479	Silver	1,250	Beeswax	151
Platinum	3,080	Antimony	951	Gutta Percha	145
Gold	2,590	Zinc	740	Tallow	97
Copper	2,548	Lead	594	Lard	95
Steel	2,500	Tin	421	Pitch	91
Glass	2,377	Arsenic	365	Ice	33

Degrees of COLD above zero at which the following substances freeze:

Olive Oil	36	Milk	30	Wines	20
Water	32	Vinegar	28	Spirits of Turpentine .	14

Degrees below zero at which the following freeze:

Brandy	7	Mercury	40	Cold experienced by Arctic Navigators . .	70
Proof Spirit	7	Greatest Artific'l Cold.	220		

Degrees of HEAT above zero at which the following substances boil:

Alcohol	173	Petroleum	306	Blood Heat	98
Water	212	Linseed Oil	640	Eggs Hatch	104

Ages which various Animals attain.

	Years.		Years.		Years.
Whale, estimated . . .	100	Lion	70	Wolf	20
Elephant	400	Porpoise	30	Cat	15
Swan	300	Horse	20	Fox	15
Tortoise	100	Bear	20	Dog	10
Eagle	100	Cow	20	Sheep	10
Raven	100	Deer	20	Rabbit	7
Camel	100	Swine	20	Squirrel	7

Miles per Hour at which Birds Fly.

Hawks	150	Sparrows	92	Falcon	75
Carrier Pigeons . . .	150	Ducks	90	Crows	25

Capacity of the Largest Rooms in the World.

CHURCHES.

	Will Contain No. Persons.
St. Peter's, Rome	54,000
Cathedral, Milan	37,000
St. Paul's, Rome	32,000
St. Paul's, London	25,600
St. Petronio, Bologna	24,400
Cathedral, Florence	21,300
Cathedral, Antwerp	24,000
St. Sophia's Constantinople	23,000
St. John's, Lateran	22,900
Notre Dame, Paris	21,000
Cathedral, Pisa	13,000
St. Stephen's, Vienna	12,400
St. Dominic's, Bologna	12,000
St. Peter's, Bologna	11,400
Cathedral, Vienna	11,000
St. Mark's, Venice	7,500

Opera-Houses & Theaters. Will Contain No. Persons.

Imperial, St. Petersburg	2,160
La Scaly, Milan	2,113
Academy of Paris, Paris	2,092
Covent Garden, London	2,684
Academy of Music, New York	2,526
Boston Theater, Boston	2,972
Music Hall, Boston	2,585
Grand Opera-Hall, New Orleans	2,052
St. Charles Theater, New Orleans	2,178
Grand Opera-House, New York	1,883
Booth's Theater, New York	1,807
Opera-House, Detroit	1,790
McVicker's Theater, Chicago	1,786
Grand Opera-House, Chicago	1,786
Ford's Opera-House, Baltimore	1,720
National Theater, Washington	1,709
De Bar's Opera-House, St. Louis	1,696
California Theater, San Francisco	1,651
Euclid Av. Opera-House, Cleveland	1,650
Opera-House, Berlin	1,636
Leland Opera-House, Albany	1,750
Martin Opera-House, Albany	1,900
Tweddle Hall, Albany	1,450
Opera-House, Poughkeepsie	1,350
Hooley's Theater, Chicago	1,373
Coulter Opera-House, Aurora, Ill.	1,004
Opera-House, Montreal	928

Opera-Houses & Theaters. Will Contain No. Persons.

Barnum's Hippodrome, New York	8,433
Stadt Theater, New York	3,000
Academy of Music, Philadelphia	2,865
Carlo Felice, Genoa	2,560
Academy of Music, Brooklyn	2,500
Opera-House, Munich	2,307
Alexander, St. Petersburg	2,332
San Carlos, Naples	2,240
Adelphi Theater, Chicago	2,238

Weight of a Cubic Foot of various substances.

METALS.

Substance.	Lbs.	Oz.	Substance.	Lbs.	Oz.
Platina	1,218	12	Tin	455	11
Pure Gold*	1,203	10	Cast Iron	450	7
Lead	709	8	Copper	547	4
Pure Silver†	625	13	Brass	543	12
Steel	487	12	Zinc	448	13

* The value of a ton of pure Gold is \$602,799.21.

* \$1,000,000 gold coin weigh 3,685.8 lbs. avordupois.

† The value of a ton of Silver is \$37,704.84.

† \$1,000,000 silver coin weigh 58,929.9 lbs. avordupois.

EARTH, STONE, &C.

Substance.	Lbs.	Oz.	Substance.	Lbs.	Oz.
Italian Marble	169	4	Brick	118	12
Vermont Marble	165	9	Mortar	109	6
Window glass	165	2	Mud	101	14
Common Stone	157	8	Loose Earth	93	12
Moist Sand	128	2	Lehigh Coal, loose,	56	4
Clay	120	10	Lackawanna, loose,	48	10

LIQUIDS.

Substance.	Lbs.	Oz.	Substance.	Lbs.	Oz.
Honey	90	10	Tar	63	7
Vinegar	67	8	Rain Water	62	8
Blood	65	14	Linseed Oil	58	12
Beer	64	10	Brandy	57	12
Milk	64	8	Ice	57	8
Cider	63	10	Alcohol	49	10

WOODS.

Substance.	Lbs.	Oz.	Substance.	Lbs.	Oz.
Lignum Vitæ	83	5	Maple	46	14
Ebony	83	5	Shellbark Hickory	43	2
Mahogany	66	7	Chestnut	38	2
White Oak	53	12	Yellow Pine	28	13
Red Hickory	52	6	Spruce	31	4

Height of Principal Monuments and Towers.

NAMES.	PLACES.	Feet.
Pyramid of Cheops	Egypt	543-
Antwerp Cathedral	Belgium	476
Strasbourg Cathedral	France	474
St. Martin's Church at Landshut	Bavaria	456
Pyramid of Cephrenes	Egypt	456
St. Peter's Church	Rome	448
St. Paul's Church, London	England	404
Salisbury Cathedral	England	400
Cathedral at Florence	Italy	384
Cathedral at Cremona	Lombardy	372
Church at Fribourg	Germany	370
Cathedral of Seville	Spain	360
Cathedral of Milan	Lombardy	355
Cathedral of Utrecht	Holland	356
Pyramid of Sakkarah	Egypt	356
Cathedral of Notre Dame, Munich	Bavaria	348
St. Mark's Church	Venice	328
Assinelli Tower, Bologna	Italy	314
Trinity Church	New York	283
Column at Delhi	Hindustan	262
Porcelain Tower, Nankin	China	248
Church of Notre Dame	Paris	232
Bunker Hill Monument	Massachusetts	220
Leaning Tower of Pisa	Italy	202
Washington Monument	Baltimore	183
Monument, Place Vendome	Paris	153
Trajan's Pillar, Rome	Italy	151
Obelisk of Luxor, now in	Paris	110

Presidents of the United States, Term of Office, etc.

NAME.	Residence	Born.	Inst. into Office	Age at Time	Term of Office.	Died.	Age at D'th
George Washington	Va.	1732	1789	57	8 years	Dec. 14, 1799	68
John Adams	Mass.	1735	1797	62	4 "	July 4, 1826	91
Thomas Jefferson	Va.	1743	1801	58	8 "	July 4, 1826	83
James Madison	Va.	1751	1809	58	8 "	June 23, 1836	85
James Monroe	Va.	1758	1817	58	8 "	July 4, 1831	72
John Quincy Adams	Mass.	1767	1825	58	4 "	Feb. 23, 1848	80
Andrew Jackson	Tenn.	1767	1829	62	8 "	June 8, 1845	78
Martin Van Buren	N. Y.	1782	1837	55	4 "	July 24, 1862	80
William H. Harrison	Ohio	1773	1841	68	1 month	April 4, 1841	68
John Tyler	Va.	1790	1841	51	3 yrs. 11 mos.	Jan. 17, 1862	72
James K. Polk	Tenn.	1795	1845	49	4 "	June 15, 1849	54
Zachary Taylor	La.	1784	1849	65	1 y. 4 m. 5 d.	July 9, 1850	66
Millard Fillmore	N. Y.	1800	1850	50	2 y. 7 m. 26 d.	Mar. 8, 1874	74
Franklin Pierce	N. H.	1804	1853	49	4 years	Oct. 8, 1860	65
James Buchanan	Penn.	1791	1857	66	4 "	June 1, 1868	77
Abraham Lincoln	Ill.	1809	1861	52	4 y. 1 m. 10 d.	Apr. 14, 1865	56
Andrew Johnson	Tenn.	1808	1865	57	3 y. 10 m. 20 d.	July 31, 1875	67
Ulysses S. Grant	Ill.	1822	1869	47	8 years		
Rutherford B. Hayes	Ohio	1822	1877	55			

Capacity of a Freight Car.

A load is 20,000 pounds, and the following number can be carried:

Whiskey	60 barrels.	Lumber	6,000 feet.
Salt	70 "	Barley	300 bushels
Lime	70 "	Wheat	340 "
Flour	90 "	Flax Seed	300 "
Eggs	130 to 160 "	Apples	370 "
Flour	200 sacks.	Corn	400 "
Wood	6 cords.	Potatoes	430 "
Cattle	18 to 20 head.	Oats	680 "
Hogs	50 to 60 "	Bran	1,000 "
Sheep	80 to 100 "	Butter	20,000 pounds

The Highest and Greatest Mountains in the World.

NAMES.	COUNTRY.	Feet High.	Miles.
Kunchainyunga (Himalayas)	Thibet	28,178	5½
Sorata, the highest in America	Bolivia	25,380	5
Illimani	Bolivia	21,780	4½
Chimborazo	Ecuador	21,444	4½
Hindoo-Koosh	Afghanistan	20,600	3¾
Cotopaxi, highest volcano in the world.	Ecuador	19,408	3¾
Autisana	Ecuador	19,150	3¾
St. Elias, highest in North America	Brit. America	18,000	3¾
Popocatepetl, volcano	Mexico	17,735	3¾
Mt. Roa, highest in Oceanica.	Hawaii	16,000	3
Mt. Brown, highest peak of Rocky Mountains.	Brit. America	15,900	3
Mont Blanc, highest in Europe, Alps	Savoy	15,766	3
Mt. Rosa, next highest peak of Alps.	Savoy	15,380	3
Limit of perpetual snow at the	Equator	15,207	2½
Pinchinca	Ecuador	15,200	2½
Mt. Whitney	California	15,000	2½
Mt. Fairweather	Russian Poss	14,796	2½
Mt. Shasta	California	14,450	2½
Pike's Peak	Colorado	14,320	2½
Demavend, highest of Elburz Mts., volc.	Persia	14,000	2½
Mt. Ophir	Sumatra	13,800	2½
Fremont's Peak, Rocky Mountains	Wyoming	13,570	2½
Long's Peak, Rocky Mountains	Colorado	13,400	2½
Mt. Ranier	Wash. Territory	13,000	2½
Mt. Ararat	Armenia	12,700	2½
Peak of Teneriffe	Canaries	12,236	2½
Miltsin, highest of Atlas Mountains	Morocco	12,000	2½
Mt. Hood	Oregon	11,570	2½
Mt. Lebanon	Syria	11,000	2½
Mt. Perdu, highest of Pyrenees	France	10,950	2
Mt. St. Helen's	Oregon	10,150	1½
Mt. Aetna, volcano	Sicily	10,050	1½
Monte Corno, highest of Appenines	Naples	9,523	1½
Snechattan, highest Dovrefield Mts	Norway	8,115	1½
Mount Sinai	Arabia	8,000	1½
Pindus, highest in	Greece	7,677	1½
Black Mountain, highest in	N. Carolina	6,476	1½
Mt. Washington, highest White Mts	N. Hampshire	6,234	1½
Mt. Marcy, highest in	New York	5,467	1
Mt. Hecla, volcano	Iceland	5,000	1
Ben Nevis, highest in Great Britain	Scotland	4,379	¾
Mansfield, highest of Green Mts.	Vermont	4,280	¾
Peaks of Otter	Virginia	4,260	¾
Mt. Vesuvius	Naples	3,932	¾
Round Top, highest of Catskill Mts	New York	3,804	¾

Size of Lakes, Seas and Oceans.

LAKES.	Miles Long.	Miles Wide.	SEAS.	Miles Long.
Superior	380	120	Mediterranean	2,000
Michigan	330	60	Caribbean	1,800
Ontario	180	40	China	1,700
Champlain	123	12	Red	1,400
Erie	270	50	Japan	1,000
Huron	250	90	Black	932
Cayuga	36	4	Caspian	640
George	36	3	Baltic	600
Baikal	360	35	Okhotsk	600
Great Slave	300	45	White	450
Winnipeg	240	40	Aral	250
Athabasca	200	20		
Maracaybo	150	60	OCEANS.	Miles Square.
Great Bear	150	40	Pacific	80,000,000
Ladoga	125	75	Atlantic	40,000,000
Constance	45	10	Indian	20,000,000
Geneva	50	10	Southern	10,000,000
Lake of the Woods	70	25	Arctic	5,000,000

RATES OF POSTAGE IN THE UNITED STATES.

LETTERS.—Letters to any part of the United States, 3 cts. per $\frac{1}{2}$ ounce.

Drop letters—that is, letters mailed in a city, to be delivered elsewhere in the same city, 2 cts. per $\frac{1}{2}$ ounce.

Postal cards to any part of the United States, 1 ct. each.

Registered letters are charged 10 cts. in addition to the proper postage.

BOOKS, TRANSIENT NEWSPAPERS, MERCHANDISE, ETC.—Books, circulars and other printed matter (including *Transient* newspapers), seeds, cuttings, bulbs, roots and scions, in packages not exceeding 4 lbs. in weight, for each ounce or fraction thereof, 1 ct. per ounce.

Merchandise or samples, in packages not exceeding 4 lbs. in weight, for each ounce or fraction thereof, 1 ct. per ounce.

Newspapers, circulars and periodicals not exceeding 2 ounces in weight, deposited for local delivery, 1 ct. each. Exceeding 2 ounces, 2 cts. each.

All matter not prepaid at letter rates must be so wrapped that it can be examined without destroying the wrapper, and must not contain any writing whatever, inside or outside, except the address; but samples may be numbered to correspond with the numbers in a descriptive letter. Glass, liquids, poisons, explosives, and other dangerous matters are excluded.

MONEY ORDERS.—Money orders can now be obtained at almost any post office. It is the safest way of sending money. Rate on money orders in the U. S.: Not exceeding \$15, ten cents; over \$15 to \$30, fifteen cents; over \$30 to \$40, twenty cents; over \$40 to \$50, twenty-five cents. Money Orders to Great Britain and Switzerland: Not exceeding \$5, fifteen cents; over \$5 to \$10, twenty-five cents; over \$10 to \$20, fifty cents; over \$20 to \$30, seventy-five cents; over \$30 to \$40, one dollar; over \$40 to \$50, one dollar and twenty-five cents. Money orders to Germany: Not exceeding \$10, twenty-five cents; over \$10 to \$20, fifty cents; over \$20 to \$30, seventy-five cents; over \$30 to \$40, eighty cents; over \$40 to \$50, one dollar. Money orders to Canada: Not exceeding \$10, twenty cents; over \$10 to \$20, forty cents; over \$20 to \$30, sixty cents; over \$30 to \$40, eighty cents; over \$40 to \$50, one dollar. No fraction of cents to be introduced.

RATES OF FOREIGN POSTAGE.

LETTERS.	For each 1-2 ounce.	For each 15 Grammes.	News- papers.
Argentine Confederation	5 cts.	5 cts.	2 cts.
Aspinwall, direct mail	*5	5	2
Australia, via San Francisco	*5	5	2
Australia, British mail, via Brindisi	19	*19	6
Austria	5	5	2
Belgium	5	5	2
Bermuda, from New York	5	5	2
Bolivia, British mail, via Aspinwall	*†17	17	4
Brazil	5	5	2
Canada	3	*3	2
Cape of Good Hope, British mail	15	15	4
Chili, British mail, via Aspinwall	5	5	2
China, via San Francisco	5	5	2
Denmark	5	5	2
Ecuador, via Aspinwall and Panama	*20	20	2
France	5	5	2
Germany	5	5	2
Great Britain and Ireland	5	5	2
Holland	5	5	2
Italy	5	5	2
Japan, via San Francisco	5	5	2
Mexico, via New York or New Orleans or Overland	5	5	2
Newfoundland	5	5	2
Norway and Sweden	5	5	2
Russia	5	5	2
Switzerland	5	5	2
Turkey, European and Asiatic	5	5	2
West Indies (British), via St. Thomas	13	†13	4
West Indies, by direct steamer	*5	5	2

* Prepayment is compulsory; if matter is not fully prepaid it will not be forwarded. In all cases where the * is not used, prepayment of Letters is optional.

† Additional charge is made on delivery; where † is not used no extra charge.

PRICE LIST

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
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
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75 Mixed Cards, all styles named in this list	50 "
50 Ladies' Favorite Cards, several different designs	30 "
25 Extra Fine White Bristol Cards	20 "
25 White, Rose, Cream, Lavender, etc., Bristol Cards	20 "
25 Snow Flake Cards, all styles	25 "
25 Bevel Gold Edge Cards	50 "
25 Turn-down Corner Gold Bevel Edge Cards	50 "
25 Coneave Corner Gold Bevel Edge Cards	50 "
25 Oriental Cards	25 "
25 Elegant Chromo Cards	25 "
25 Lily of the Valley Cards	25 "
25 Gold Chromos, new styles	25 "
25 Silver Chromos, new styles	25 "
25 Flower and Bird Chromo Cards, several different designs	25 "
25 Transparent Cards	25 "
25 Mourning Cards (White Bristol, with Heavy Black Border)	50 "
25 American and Swiss Plaid Cards	25 "
25 Mother Goose Chromo Cards, new designs	25 "
25 Wedding Bristol Cards	25 "
25 Japanese Chromo Cards	25 "
25 Gold or Silver Border Cards	25 "
25 Greenback Cards	25 "
25 Parisian Chromo Cards	40 "
25 Genuine Imported White Bristol Cards	25 "
25 Cardinal Red and Navy Blue Damask Cards	30 "
50 Beautiful Cards, selected by us for a mixed variety	40 "
50 Beautiful Chromo Cards, every one of different design	50 "
25 May I C U Home Cards, without name	10 "
27 Fun and Flirtation Cards, without name	10 "
25 New Style Long Narrow Chromo Cards	30 "

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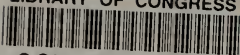
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